

CLAIMS

1. An inkjet printer comprising:

a recording head provided with a nozzle to jet ink which is cured by radiation of an ultraviolet ray; and

an ultraviolet ray irradiation device provided with an ultraviolet ray light source to generate the ultraviolet ray to cure the ink,

wherein the ink is cured by radiating the ultraviolet ray to a recording medium with the ultraviolet ray irradiation device after making the ink jetted from the nozzle land on the recording medium to form an image, the ultraviolet ray irradiation device comprises a cover member to cover the ultraviolet ray light source, and an ultraviolet ray reflectance of a surface which is in the cover member and reflects the ultraviolet ray radiated from the ultraviolet ray light source to the recording head is made to be lower than an ultraviolet ray reflectance of the other surface.

2. The inkjet printer of claim 1, wherein a reflection member to reflect the ultraviolet ray is provided on an inner surface of a surface of the cover member which is perpendicular to the recording medium and is in close vicinity to the recording head.

3. The inkjet printer of claim 1, wherein an ultraviolet ray absorbing member to absorb the ultraviolet ray is provided on an inner surface of a surface of the cover member which is perpendicular to the recording medium and is distant from the recording head.

4. The inkjet printer of claim 1, wherein a partition member to partition an inside of the cover member is provided in the cover member.

5. The inkjet printer of claim 4, wherein an ultraviolet absorbing member to absorb the ultraviolet ray is provided on a surface of the partition member which is perpendicular to the recording medium and is on a side of the recording head, and a reflection member reflecting the ultraviolet ray is provided on a surface of the partition member which is perpendicular to the recording medium and is distant from the recording head.

6. The inkjet printer of claim 1, wherein a plurality of ultraviolet ray light sources are provided in the ultraviolet ray irradiation device.

7. The inkjet printer of claim 1, wherein the ultraviolet ray light source is any one of a high pressure mercury lamp, a metal halide lamp, a hot-cathode

tube, a cold-cathode tube and an LED.

8. The inkjet printer of claim 1, wherein the ink is a cation curing type ink.

9. The inkjet printer of claim 1, wherein the recording head is a serial head system, and the ultraviolet ray irradiation device is provided at least on one side of both side portions of the recording head in a main scanning direction thereof.

10. The inkjet printer of claim 1, wherein the recording head is a line scan head system, and the ultraviolet ray irradiation device is provided on a downstream side of the recording head in a direction in which the recording medium is conveyed.

11. An inkjet printer comprising:

a recording head to jet ink from a jet opening of a nozzle toward a recording medium, the ink being cured by irradiated with an ultraviolet ray; and

an ultraviolet ray irradiation device to radiate the ultraviolet ray from an ultraviolet ray light source to the ink jetted on the recording medium,

wherein the ultraviolet ray irradiation device comprises a cover member to cover the ultraviolet ray

light source;

the cover member is opened toward a recording surface side of the recording medium, and comprises an orthogonal surface portion approximately perpendicular to the recording surface and an opposite surface portion having a region opposed to at least the recording surface; and

an ultraviolet ray reflectance of the orthogonal surface portion is made to be lower than an ultraviolet ray reflectance of the opposite surface portion.

12. The inkjet printer of claim 11, wherein a reflection member to reflect the ultraviolet ray radiated from the ultraviolet ray light source toward the recording surface of the recording medium is provided on the opposite surface portion.

13. The inkjet printer of claim 11, wherein an ultraviolet ray absorbing member configured to include a material which absorbs the ultraviolet ray radiated from the ultraviolet ray light source is provided on the orthogonal surface portion.

14. The inkjet printer of claim 11, wherein a plurality of ultraviolet ray light sources are provided.

15. The inkjet printer of claim 14, wherein the orthogonal surface portion is provided with an intermediate orthogonal surface portion arranged between regions in which the plurality of ultraviolet ray light sources are located.

16. The inkjet printer of claim 11, wherein a light trap to trap the ultraviolet ray radiated from the ultraviolet ray irradiation device is provided between the recording head and the ultraviolet ray irradiation device.

17. The inkjet printer of claim 11, wherein the ultraviolet ray light source is any one of a high pressure mercury lamp, a metal halide lamp, a hot-cathode tube, a cold-cathode tube and an LED.

18. The inkjet printer of claim 11, wherein the ink is a cation curing type ink.

19. The inkjet printer of claim 11, wherein a record system is a serial system or a line system.